

Attorney Docket: 27707U

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U.S. Department Of Commerce, Patent And Trademark Office		Date: 28 September 2006(28.09.2006)
Transmittal Letter To The United States Designated/Elected Office (DO/EO/US) Concerning A Filing Under 35 U.S.C. 371		U.S. Application No.: 10/594544 All Known And Yet Assigned
International Application No.: PCT/JP2004/004699	International Filing Date: March 31, 2004 (31.03.2004)	Priority Date Claimed: None
Title of Invention: REVERSIBLY IMMORTALIZED MAMMALIAN LIVER CELLS AND USE THEREOF		
Applicants for DO/EO/US: KOBAYASHI, Naoya; TANAKA, Noriaki KOHARA, Michinori		

APPLICANT HEREBY SUBMITS TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) THE FOLLOWING ITEMS AND OTHER INFORMATION:

1. ☒ THIS IS A **FIRST** SUBMISSION OF ITEMS CONCERNING A FILING UNDER 35 U.S.C. 371.
2. ☐ THIS IS A **SECOND** OR **SUBSEQUENT** SUBMISSION OF ITEMS CONCERNING A FILING UNDER 35 U.S.C. 371.
3. ☒ THIS IS AN EXPRESS REQUEST TO BEGIN NATIONAL EXAMINATION PROCEDURES (35 USC 371(F)). THE SUBMISSION MUST INCLUDE ITEMS (5), (6), (9) AND (21) INDICATED BELOW.
4. ☒ THE US HAS BEEN ELECTED (ARTICLE 31).
5. ☒ A COPY OF THE INTERNATIONAL APPLICATION AS FILED (35 U.S.C. 371(C)(2)):
 A. ☒ IS TRANSMITTED HERewith (REQUIRED ONLY IF NOT TRANSMITTED BY THE INTERNATIONAL BUREAU).
 B. ☐ HAS BEEN COMMUNICATED BY THE INTERNATIONAL BUREAU.
 C. ☐ IS NOT REQUIRED, AS THE APPLICATION WAS FILED IN THE UNITED STATES RECEIVING OFFICE (RO/US)
6. ☐ A ENGLISH TRANSLATION OF THE INTERNATIONAL APPLICATION AS FILED (35 U.S.C. 371(C)(2)).
7. ☒ AMENDMENTS TO THE CLAIMS OF THE INTERNATIONAL APPLICATION UNDER PCT ARTICLE 19 (35 U.S.C. 371(C)(3))
 A. ☐ ARE ATTACHED HERETO (REQUIRED ONLY IF NOT TRANSMITTED BY THE INTERNATIONAL BUREAU).
 B. ☐ HAVE BEEN COMMUNICATED BY THE INTERNATIONAL BUREAU.
 C. ☐ HAVE NOT BEEN MADE; HOWEVER, THE TIME LIMIT FOR MAKING SUCH AMENDMENTS HAS NOT EXPIRED.
 D. ☒ HAVE NOT BEEN MADE AND WILL NOT BE MADE.
8. ☐ AN ENGLISH LANGUAGE TRANSLATION OF THE AMENDMENTS TO THE CLAIMS UNDER PCT ARTICLE 19 (35 U.S.C. 371(C)(3)).
9. ☐ AN OATH OR DECLARATION OF THE INVENTOR(S) (35 U.S.C. 371(C)(4)).
10. ☐ A TRANSLATION OF THE ANNEXES TO THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT UNDER PCT ARTICLE 36 (35 U.S.C. 371(C)(5)).

ITEMS 11 TO 20 BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:

11. ☒ AN INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97 AND 1.98.
12. ☐ AN ASSIGNMENT DOCUMENT FOR RECORDING. A SEPARATE COVER SHEET IN COMPLIANCE WITH 37 CFR 3.28 AND 3.31 IS INCLUDED;
13. ☒ A **FIRST** PRELIMINARY AMENDMENT.
14. ☐ A **SECOND** OR **SUBSEQUENT** PRELIMINARY AMENDMENT
15. ☐ A SUBSTITUTE SPECIFICATION.
16. ☐ A CHANGE OF POWER OF ATTORNEY AND/OR ADDRESS LETTER.
17. ☐ A COMPUTER-READABLE FORM OF THE SEQUENCE LISTING IN ACCORDANCE WITH PCT RULE 13TER2 AND 35 USC 1821 - 1825
18. ☐ A SECOND COPY OF THE PUBLISHED INTERNATIONAL APPLICATION UNDER 35 USC 154(D)(4)
19. ☐ A SECOND COPY OF THE ENGLISH LANGUAGE TRANSLATION OF THE INTERNATIONAL APPLICATION UNDER 35 USC 154(D)(4)
20. ☒ OTHER ITEMS OR INFORMATION:
 TRANSMITTAL LETTER; INTERNATIONAL PUBLICATION NUMBER: WO 2005/100546 A1;
 INTERNATIONAL PUBLICATION DATE: OCTOBER 27, 2005(27.10.2005), CONSISTING OF 59 PAGES:
 1 PAGE FOR THE COVER SHEET, 36 PAGES OF TEXTUAL SPECIFICATION, 2 PAGES OF 8 CLAIMS, 1
 PAGE OF THE ABSTRACT, 7 PAGES OF SEQUENCE LISTING, AND 12 SHEETS OF DRAWINGS;
PRELIMINARY AMENDMENT WITH ATTACHMENT A TO BE EXAMINED; UNEXECUTED DECLARATION AND
 POWER OF ATTORNEY; **RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT (FERM BP-08657) IN THE
 JAPANESE AND ENGLISH LANGUAGE**; INFORMATION DISCLOSURE STATEMENT; FORM 1449 WITH 5
 CITED REFERENCES; COPY OF 5 OF THE 5 CITED REFERENCES; FORM/IB/308 (SECOND AND
 SUPPLEMENTARY NOTICE); FORM PCT/ISA/210 (INTERNATIONAL SEARCH REPORT); POSTCARD FOR
 EARLY NOTIFICATION OF THE SERIAL NUMBER REQUEST.

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U.S. Application Number: (if known): Not Yet Assigned 10/594544	International Application No.: PCT/JP2004/004699	Date: 28 September 2006(28.09.2006)
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The following fees are submitted: 21. Basic National Fee (37 CFR 1.492(a))..... \$ 300.00 22. Examination Fee (37 CFR 1.492 (c)) If the written opinion prepared by ISA/US or the International Preliminary Examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$ 0.00 All other situations \$ 200.00 23. Search Fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International Preliminary Examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$ 0.00 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$ 100.00 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB\$ 400.00 All other situations \$ 500.00 ___ Additional fee for specification and drawings filed in paper over 100 sheets (excluding Sequence listing or computer program listing filed in an electronic medium). The fee is \$ 250.00 for each additional 50 sheets of paper or fraction thereof. <p style="text-align: center;">ENTER APPROPRIATE BASIC FEE AMOUNT =</p>	CALCULATIONS \$ 300.00 \$ 200.00 \$ 400.00 \$ 900.00	PTO USE ONLY
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Surcharge of \$130.00 for furnishing the oath or declaration later than ____ 20 ____ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	\$ 0.00	
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CLAIMS	NUMBER: FILED	NUMBER: EXTRA	RATE		
TOTAL	10-20=	0	X \$ 50.00	\$ 0.00	
INDEPENDENT	2-3=	0	X \$ 200.00	\$ 0.00	
Multiple dependent claims(s) (if applicable)			+ \$360.00	\$ 0.00	
TOTAL OF ABOVE CALCULATIONS =				\$ 900.00	
Reduction by 2 for asserting small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).				\$ 0.00	
SUBTOTAL =				\$ 900.00	
Processing fee of \$130.00 for furnishing the English translation later than ____ 20 ____ 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +				\$ 0.00	
TOTAL NATIONAL FEE =				\$ 900.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$ 0.00	
TOTAL FEES ENCLOSED =				\$ 900.00	
				Amount to be: refunded charged	\$ \$

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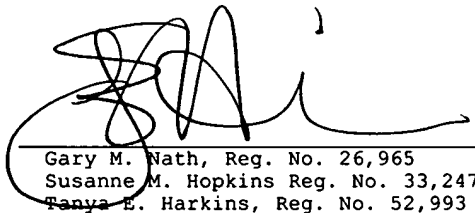
10/594544

- a. ☒ One check in the amount of \$ 900.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account Number: 14-0112 in the amount of \$ _____ to cover the above fees. (A duplicate copy of this sheet is enclosed.)
- c. ☒ The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account Number: 14-0112.
- d. ☐ Fees are to be charged to a credit card ☐ WARNING: Information on this form may become public ☐ Credit Card Information should not be included on this form.
☐ Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.

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